

#705

IMP-H

320 MSEC MAGNETIC FIELD VECTORS

72-073A-01D

IMP-H

320 MSEC MAGNETIC FIELD VECTORS

72-073A-01D

This data set has been restored. The original tapes were 1600 BPI, binary, 9-track. The DS tapes are 9-track, binary, 6250 BPI and are multi-filed. The DR tapes are 3480 cartridges. These tapes may contain 2 types of data/records. One type of data is called Phase I data and has a blocksize of 17,692 bytes. The other data (320 ms) is called Phase III and has a blocksize of 3460 bytes. The original D tapes were never copied to C tapes. The DR/DS tapes are not time-ordered. The DR, DS, and DD numbers along with the time spans are given as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR01793	DS01793	D-76174	1	10/31/72 - 10/31/72
		D-76175	2	10/31/72 - 10/31/72
		D-76176	3	10/31/72 - 11/01/72
		D-76178	4	11/01/72 - 11/01/72
		D-76179	5	10/30/72 - 10/30/72
		D-76180	6	10/26/72 - 10/27/72
		D-76181	7	11/08/72 - 11/08/72
		D-76182	8	10/30/72 - 10/30/72
		D-76183	9	12/03/72 - 12/05/72
		D-76184	10	10/30/72 - 11/01/72
		D-76185	11	11/07/72 - 11/07/72
		D-76186	12	12/02/72 - 12/03/72

Continued on next page

DR#	DS#	DD#	FILES	TIME SPAN
DR01794	DS01794	D-76189	1	11/07/72 - 11/07/72
		D-76190	2	11/07/72 - 11/07/72
		D-76192	3	12/02/72 - 12/03/72
		D-76193	4	12/04/72 - 12/04/72
		D-76194	5	03/25/73 - 03/25/73
		D-76195	6	03/25/73 - 03/25/73
		D-76196	7	11/07/72 - 11/07/72
		D-76197	8	11/19/72 - 11/19/72
		D-76198	9	11/19/72 - 11/21/72
		D-76199	10	12/14/72 - 12/16/72
		D-76200	11	03/25/73 - 03/27/73
DR01795	DS01795	D-76201	1	10/26/72 - 10/28/72
		D-76202	2	11/07/72 - 11/09/72
		D-76203	3	10/30/72 - 10/30/72
		D-76204	4	11/19/72 - 11/19/72
		D-76205	5	11/20/72 - 11/20/72
		D-76206	6	12/14/72 - 12/14/72
		D-76207	7	03/26/73 - 03/27/73
		D-76208	8	10/26/72 - 10/27/72
		D-76209	9	11/08/72 - 11/08/72
		D-76210	10	10/27/72 - 10/27/72
		D-76211	11	10/27/72 - 10/27/72
		D-76212	12	10/26/72 - 10/28/72
		D-76213	13	10/26/72 - 10/27/72
DR01797	DS01797	D-76165	1	10/30/72 - 10/30/72
		D-76166	2	10/30/72 - 10/30/72
		D-76167	3	11/19/72 - 11/19/72
		D-76168	4	11/19/72 - 11/19/72
		D-76170	5	10/26/72 - 10/27/72
		D-76171	6	10/30/72 - 10/30/72
		D-76172	7	10/30/72 - 10/31/72
		D-76173	8	10/31/72 - 10/31/72

IMP H/J PHASE III SPECIAL EVENT SUMMARY TAPE FORMAT

//GO.FT30F001 DD UNIT=(9TRACK, ,DEFER),DISP=(SHR,KEEP),
// LABEL=(,SL,,IN),DCB=(RECFM=VBS,BLKSIZE=3460,LRECL=432,DEN=3),
// VOL=SER=FP2663,DSN=IMPH.DETAILED.SPECIAL
IMPJ.DETAILED.SPECIAL

ITFM	TYPE	UNITS	DESCRIPTION
1	I*2	YEARS	YEAR(last digit of year only)
2	I*2	DECIMAL DAYS	DAY
3	I*4	MSEC	MILLISECONDS OF DAY
4	I*4		PSEUDO SEQUENCE COUNT
5	A*2		BIT RATE 'HI' OR 'LO'
6	I*2		HOUSEKEEPING WORD
7	A*2		COORDINATE SYSTEM 'SE' OR 'SM' OR 'PL'
8	A*2		DATA TYPE
9	R*4	Y	X (1.28 SEC AVERAGE)
10	R*4	Y	Y (1.28 SEC AVERAGE)
11	R*4	Y	Z (1.28 SEC AVERAGE)
12	32 R*4	Y	X (32 DETAILED SAMPLES)*
13	32 R*4	Y	Y (32 DETAILED SAMPLES)*
14	32 R*4	Y	Z (32 DETAILED SAMPLES)*
15	R*4	EARTH RADII	X SATELLITE POSITION
16	R*4	EARTH RADII	Y SATELLITE POSITION
17	R*4	EARTH RADII	Z SATELLITE POSITION

*Bad data in these arrays are indicated by the specific value being set=999.0

IMP H/J DETAIL TAPE PRODUCED BY PHASE I PROGRAM

This tape is written by the PAYSTA subroutine by a call to FWRITE which is a subroutine contained in the FTIO package. The following DD card is used to produce the tape. Note that L(item #50) provides the information about how many telemetry sequences are present in this physical record. Note all field components and directions are given with respect to the quasi-payload coordinate system. See Footnote (2).

IMPH.DETAIL

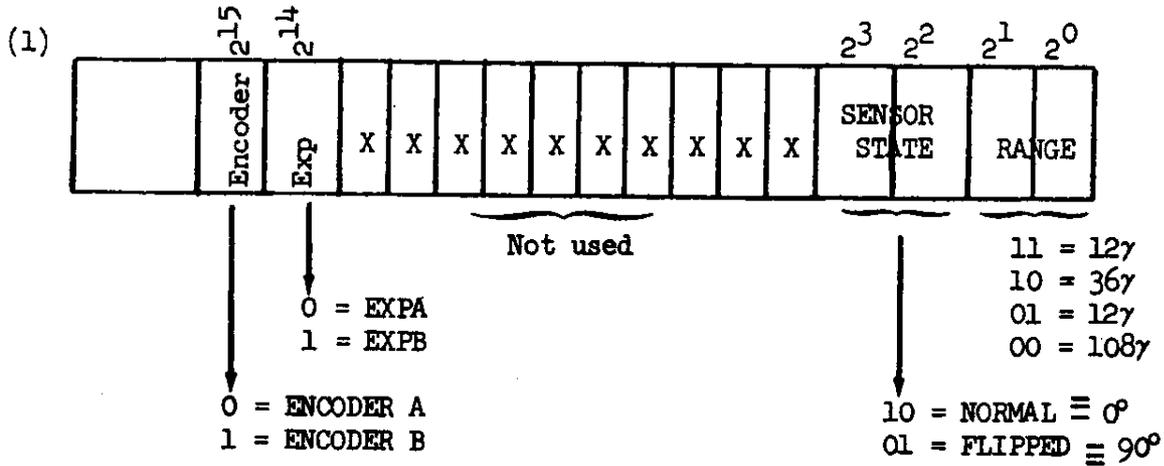
```
//FTLLFOOL DD LABEL=(1,SL,,OUT),DSN=IMPJ.DETAIL,DISP=(SHR,KEEP),
// DCB=(RECFM=VS,BLKSIZE=17692,LRECL=17688,DEN=3,BUFNO=1),
// VOL=SER=FP2372,UNIT=(9TRACK,,DEFER)
```

<u>ITEM</u>	<u>DESCRIPTION</u>	(DIMEN) (TYPE) (SIZE)	<u>UNITS</u>	<u>NOTES</u>
1.	Year	I*4		Last digit only
2.	Day	64 I*2	Days	Jan. 1 = 0
3.	Milliseconds of Day	64 I*4	Milliseconds	
4.	Data Quality Flag	64 I*2		
5.	Bit Rate Flag	64 I*2		
6.	Pseudo Sequence Count	64 I*4		
7.	Housekeeping Data	64 I*4		(see Footnote 1)
8.	F 1.28 Second Avg.	256 R*4	γ	(see Footnote 6)
9.	θ 1.28 Second Avg.	256 R*4	Degrees	(see Footnote 6)
10.	φ 1.28 Second Avg.	256 R*4	Degrees	(see Footnote 6)
11.	σ 1.28 Second Avg.	256 R*4	γ	(see Footnote 6)
12.	Trajectory Day	I*4	Day	Jan. 1 = 0
13.	Trajectory Millisec of day	I*4	Milliseconds	
14.	Geomagnetic Latitude of S/C	R*4	Degrees	

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>(DIMEN)</u> <u>(TYPE) (SIZE)</u>		<u>UNITS</u>	<u>NOTES</u>
31.	Items 27 thru 35 Rotation Matrix from SE to SM	R*4			2nd row, 3rd col.
32.		R*4			3rd row, 1st col.
					3rd row, 2nd col.
					3rd row, 3rd col.
33.		R*4			
34.		R*4			
35.		R*4			
36.		R*4			Elements 36 thru 44 same order as for elements 27 thru 35.
37.		R*4			
38.	Items 36 thru 44 Rotation Matrix from CI to SE	R*4			
39.	(CI = Celestial Inertial)	R*4			
40.		R*4			
41.		R*4			
42.		R*4			
43.		R*4			
44.		R*4			
45.	Right Ascension of spin axis	R*4		Degrees	CI Coord
46.	Declination of spin axis	R*4		Degrees	CI Coord
47.	Detail X	2048 I*2		$\gamma/K^{(3)}$	Mult. by K to convert to γ 's.
48.	Detail Y	2048 I*2		γ/K	See Footnote 4
49.	Detail Z	2048 I*2		γ/K	
50.	L	I*4			See Footnote 5

<u>ITEM</u>	<u>DESCRIPTION</u>	(DIMEN) (<u>TYPE</u>) (<u>SIZE</u>)	<u>UNITS</u>	<u>NOTES</u>
15.	Geomagnetic Longitude of S/C	R*4	Degrees	
16.	X Geocentric SE position of S/C	R*4	Earth Radii	
17.	Y Geocentric SE position of S/C	R*4	Earth Radii	
18.	Z Geocentric SE position of S/C	R*4	Earth Radii	
19.	Radial Distance	R*4	Earth Radii	
20.	Y Solar Magnetospheric position of S/C	R*4	Earth Radii	
21.	Z Solar Magnetospheric position of S/C	R*4	Earth Radii	
22.	Geomagnetic Latitude of Sun	R*4	Degrees	
23.	Geomagnetic Longitude of Sun	R*4	Degrees	
24.	X Moon's Position in Geocentric SE	R*4	Earth Radii	
25.	Y Moon's Position in Geocentric SE	R*4	Earth Radii	
26.	Z Moon's Position in Geocentric SE	R*4	Earth Radii	
27.		R*4		Element given in following order:
28.		R*4		
29.		R*4		1st row, 1st col. 1st row, 2nd col. 1st row, 3rd col.
30.		R*4		2nd row, 1st col. 2nd row, 2nd col.

Footnotes



- (2) The quasi-payload coordinate system is S/C centered with \hat{X}_p toward the Sun, \hat{Z}_p aligned with the spin axis and positive at or near North-SE (usually within 2°), and $\hat{X}_p \times \hat{Y}_p = \hat{Z}_p$.
- (3) $K = \sqrt{\frac{3(150)}{32768}} = 0.007929$ NOTE: When using data from the detail X, Y or Z arrays after multiplication by K, check to see if the value is > 150 or < -150 before accepting the data as being valid.
- (4) Note that in each sequence of detail data, i.e., 32 values of X, 32 values of Y, and 32 values of Z, if the index runs from 1 through 32 then index values of 1, 9, 17, and 25 will reference the values derived from full words.
- (5) The number of sequences present in the physical record will be $\frac{L-1}{4} + 1$.
- (6) These arrays are set up to accommodate data in either the high or low bit rate. As there is one entry per array each sequence, if in the high bit rate the sequence will be 1.28 sec long and only the 1st, 5th, 9th, etc., elements of the arrays will contain valid data. If in the low bit rate, the sequence is 5.12 sec long and every element will be filled.

DS1793

file 1

10/31/72

Begin time

DUMP OF TAPE DS1793

INPUT TAPE DS1793 ON HTU
DATA INPLT P9 NF=12 FL=12=I=1

FILE	RECORD	1	LENGTH	346 BYTES
(1)	1880004	012131	024E99F8	0R25A1FB
(4)	433E7000	C22303B8	C2309207	C22EF988
(8)	C63E18E	412A8FC1	411892E1	C115DAA9
(12)	C158B325	C1578C11	433E71E0	C1725EEF
(16)	C16BE28E	433E71E0	42316678	4226676E
(20)	C21299AD	C217552E	C21891A2	421C1C9E
(24)	C1FDF711	C21AD3C	C21103CA	C21891A2
(28)	C1F6DF6A	C215A4C	C21DDC2	41A4542D
(32)	418B03CE	C18251CF	C13D7043	433E71E0
(36)	C13C6DA3	C14640FF	C1433CA3	C136182B
(40)	C13DE584	C13DCC7A	C138C872	C13A23AC
(44)	C1211311	C24EA1F8	C25A11FC	C1354014
(48)	C13AD058	C148C058	C1464871	E2054040
(52)	C157FC93	C15528C2	C1568756	C14F3686
(56)	C15142C	C1564071	C15A7D28	C15A9D0D
(60)	C212361D	C21226D3	C2124E59	C15C88D7
(64)	C2119F8B	C211107D	C21D24B	C21219E0
(68)	C211E513	C211BAEB	C2114311	C218CCEC
(72)	C2110D29	C2125E3A	C137991F	C13873FF
(76)	C1431E1E	C1426ACA	C1424AEF	C144D0D9
(80)	C13DFE8F	C13E6CAD	C13F5179	C13FD1FF
(84)	C141FED3	C1420E71	C1432C08	C143968F
(88)	C125A1F0	C8C977F4	E2C54744	4217F871
(92)	C135E736	C1565D71	C1558E48	C1528D9A
(96)	C143322A	C14F3278	C151892C	C157D968
(100)	C161D9AD	C166AD52	C1520C2C	C15685CB
(104)	C211E5CA	C2117AE1	C211E941	C219F414
(108)	C2118D36	C2116653	C2119AB1	C2121A30
(112)	C211E987	C2123189	C2125033	C2137351
(116)	C143F65C	C144319E	C1441335	C1456291
(120)	C1426968	C14219E0	C1410D14	C14566E4
(124)	C13F5441	C14394C3	C13FDC54	C13F8B3F
(128)	C1428313	C142E890	4217F871	C13FC3DE
(132)	E2C54043	C1523813	42124AA	C217C35E
(136)	C135C13F	C156FC67	C15D735C	C153CE54
(140)	C157EB97	C16239F6	C15D481D	C15E21A6
(144)	C1532872	C14FDC08	C1496597	C14862B2
(148)	C2123CC2	C21318F8	C217FE30	C211F340
(152)	C2116271	C2118C57	C211ACAS	C212C178
(156)	C1233316	C2127636	C2125PFC	C2131CE0
(160)	C14266CB	C142A344	C1436A6C	C141534F
(164)	C141A644	C1415160	C1415167	C1404FD6
(168)	C145836	C141A65C	C141A88E	C140D7CE
(172)	4217F871	C1C71C84	C1E00000	C1E000131
(176)	C212A615	41443743	C151A76E	C14ACD5E
(180)	C158487D	C16241E5	C157B887	C151E3D9
(184)	C15D4C1E	C15B06FB	C1597FC	C15A4272
(188)	C15E94C4	C16325C5	C16C6D3	C1709723
(192)	C212FABE	C212B99C	C2127A9F	C2136253
(196)	C211DDEE	C2137604	C212D981	C212E1A5
(200)	C21259ED	C211EA8E	C211E272	C211E267
(204)	C1427263	C141E8C5	C1416D41	C1418155
(208)	C1414917	C14109F3	C141E91E	C140235D
(212)	C1415E3D	C1417508	C1416444	C14187C9
(216)	C1C71C84	1800000	1800000	C8C977F4
(220)	C1565613	C190AF4C	C14985CF	C156865C
(224)	C165ED53	C16384EB	C16159AE	C15C8C14
(228)	C14495A9	C141A715	C14599F12	C1614185
(232)	E2C54040	C1D7C1F0	C8C977F4	C8C977F4
(236)	C2256E35	C15E3E75	C22EF988	C22EF988
(240)	C16A9E00	C1634790	C115DAA9	C115DAA9
(244)	C16A17F1	C168482C	C1624EEF	C1725EEF
(248)	41574274	C1448DA3	42186418	421C1C9E
(252)	C2145299	C21275C3	C2145299	C21891A2
(256)	C2107CDA	C1F9D2C8	C2107CDA	C21891A2
(260)	C13A98E3	C13A98E3	C138984E	433E71E0
(264)	433E7000	C1C71C84	433E7000	433E7000
(268)	C15A58E3	C15A58E3	41978986	41A4542D
(272)	C1405136	C14E795D	C1405136	41A4542D
(276)	C148E2E1	C147B0E7	C1429E25	C2113E11
(280)	C161CA34	C164305E	C1648EEF	433E71E0
(284)	C21229E9	C212C2A4	C21304B3	C136182B
(288)	C21218B2	C212DA24	C211DE72	C136182B
(292)	C21144A9	C21220BE	C2127466	C211819A
(296)	C141843A	C149EE52	C13FA2C4	C13E0061
(300)	C13E3C62	C13DF4DB	C13E58BD	C13FDFE5
(304)	C1413B70	C14J4553	C14033E0	C13FB3C8
(308)	124EA5F8	10020131	10020131	C1C71C84
(312)	C0F15C1C	C15R3237	C15R3237	C1568272
(316)	C13C4F99	C1367C26	C134B73C	C1327100
(320)	C1615739	C15C2348	C1585453	C14DED46
(324)	C212D585	C212E8BC	C153915A	C14F1F21
(328)	C211DC8F	C2124861	C21211A5	C2123239
(332)	C2118614	C212D8E1	C2133620	C2141D3E
(336)	C1429A76	C142E053	C2129551	C212C7CA
(340)	C13EFE32	C13E3E3F	C1439DE7	C143E658
(344)	C8C977F4	025A1FE	025A1FE	C147114C
(348)	C190935D	C13BD99C	C16C3175	C13BD99C
(352)	C1554A5D	C14FD7C1	C14A6527	C14A6527
(356)	C15AE43E	C15EB147	C15AE28A	C15AE28A
(360)	C2129D00	C21333FA	C2126D59	C21333FA
(364)	C2116A52	C2119947	C211D44E	C211D44E
(368)	C1432459	C14327B3	C1432459	C21222CC
(372)	C141E050	C141F28F	C141E050	C141F28F
(376)	C1403D76	C1400A3U	C13FC8CA	C13FC8CA
(380)	C1428114	C142C59C	C142450A	C142C59C
(384)	C1537AE8	E2C5404C	C8C977F4	E2C5404C
(388)	C1581D49	C1546F8F	C1546F8F	C1581D49
(392)	C1629FEA	C1530542	C1530542	C1581D49
(396)	C15EB53E	C15A23AC	C15C2B3A	C15A23AC
(400)	C211D3D5	C213F67E	C213194D	C213F67E
(404)	C2123BA8	C2125E23	C211D205	C211D205
(408)	C14127B5	C1419A84	C141BF7A	C1419A84
(412)	C1416824	C141643B	C14127B5	C141643B
(416)	C1412C0F	C140C8E5	C140A194	C140C8E5
(420)	C217C35E	C217F871	C149FA6C	C217C35E
(424)	C1634338	4213A861	413E44F	4213A861
(428)	C1534517	C1534517	C14922B2	C1534517
(432)	C1467C2E	C155D430	C152A861	C152A861
(436)	C152E87A	C152E87A	C14E1883	C152E87A
(440)	C152E87A	C152E87A	C14E1883	C152E87A

DS 1794
file 1
11/7/72
Begin time

DUMP OF TAPE DS1794

INPUT TAPE DS1794 ON FT.
DATA INPUT H9 NF=11 FL=11=1=1

FILE	1	RECORD	1	LENGTH	3466BYTES	102CE7B2	C8C977FA	E2D44040	C193315A	412702FB	40B14EAF
(0)		0840111		11869111	J2933138	J02CE7B2	C8C977FA	E2D44040	C193315A	412702FB	40B14EAF
(4)		C156214		C19A15C1	C18E3683	C18E3683	C198A3C2	C19A6F04	C19C0C5C	C197AA83	C1956DDD
(8)		C197F8C		C18FA41F	C191AA54	C1983683	C19A3892	C19D75B	C192A77B	C18F537E	C1895D83
(12)		C18C4845		C18CC424	C191B998	C1958A69	C1925A0F	C19299DF	C193715F	C1949016	C1934BE7
(16)		C193C178		C1129A88B	412D9552	411CAE25	41344065	4118E23D	4132F5C4	41259415	412678B9
(20)		41282843		4122FC53	411FF518	411CE169	411FB9518	4118E71C	4122222D	4127C768	41289186
(24)		41297BB8		412A6553	41286D35	412B1C5D	4129C912A	4128DE3D	41229F98C	41283B71	41235853
(28)		4127C332		41274181	41281095	41289734	4129EJ668	41118EE3	4122016E	403592A0	40FA3FCB
(32)		4195E482		418761A1	412D818F	41DBFD0D	41996189	4118EE3	4122016E	4113C61F	40B87B37
(36)		418C83A1		409E94F9	41A23833	4199F557	41996189	4118EE3	4122016E	4113C61F	40B87B37
(40)		416A652C		40B7B39F	41A1CE91	4144FC4F	41996189	4118EE3	4122016E	4113C61F	40B87B37
(44)		41324138		J2933678	J02CE7B3	4062427C	41996189	4118EE3	4122016E	4113C61F	40B87B37
(48)		C1A3B6D6		C158B858	C1A7F2A4	E2D44040	C196FBD2	4126FFAE	409A7A71	C194186E	C18F4C24
(52)		C19521A7		C194FD98	C19C62E1	C19C43FC	C1A78267	C195CC5C	C195E475	C1A3E6A7	C18F4C24
(56)		C19C462E		C19A3FA2	C199E116	C195E8J7	C17FAB8D	C18A4D57	C18C9044	C1901716	C19A5F51
(60)		41277426		412EE391	411DA273	41325785	4127A88D	C18A4D57	C18C9044	C1901716	C19A5F51
(64)		4116163F		412C5502	4128453D	41280199	4127E433	4127A88D	4125C186	412650EE	41254433
(68)		41271437		4126AC74	41264C38	4128AA12	412A622A	4127A88D	411882EE	41228740	4121310A
(72)		41227F19		41255507	41869184	417E6516	41E5231E	8F243C00	C03278E0	40126EAE	403F0982
(76)		4181DA3		418A2142	41115E2C	414A1484	41E5231E	8F243C00	C03278E0	40126EAE	403F0982
(80)		41C7AE3		41BCFA7F	41BFBF4	41C8E872	41E5231E	8F243C00	C03278E0	40126EAE	403F0982
(84)		41C1AA13		41D5E2E7	41E71C6E	41D0233A	41E5231E	8F243C00	C03278E0	40126EAE	403F0982
(88)		412CE7B4		C8C977FA	E2D44040	C19668FD	41E5231E	8F243C00	C03278E0	40126EAE	403F0982
(92)		C1930A2A		C192636D	C197B96C	C195F644	C198222A	C198A61D	C1936C0F	C19A72F0	C191BB98
(96)		C199F2A4		C1989A13	C1989A13	C198752A	C1985426	C19A8093	C199709D	C1981A7B	C196D65F
(100)		C196B741		C19897FD	C19C84FE	C19FC7A9	C19D9E33	C195EEF3	C1988C9E	412A1275	412C856A
(104)		412D86AC		4133CEAD	412E13D	412C992B	4127A449	41272C7E	41218084	412348BE	41238896
(108)		41282C9C		41262366	412728A5	4129EAA3	41287744	4129B829	4126F984	412A12EC	412BACFC
(112)		412C18CF		412AF517	41293559	41289C4C	4125A206	4127D404	412AF7F0	412DFC8E	412CC95E
(116)		41C7389A		41A64868	4198108A	4179929D	41E5231E	8F243C00	41A17669	405F176F	40C9B438
(120)		41B5E3CA		40A535F9	4198782A	418B3EFC	41E5231E	8F243C00	41A17669	405F176F	40C9B438
(124)		40A2E0A6		409042FE	4087659F	418C1441	41E5231E	8F243C00	41A17669	405F176F	40C9B438
(128)		417F4F2A		C21AC24D	C21AC24D	C21AC24D	41E5231E	8F243C00	41A17669	405F176F	40C9B438
(132)		E2D44040		C19662A1	4128B99E	4195BB15	C196669E	C1950748	C1963FF8	002CE7B5	C8C977FA
(136)		C19C2E81		C19849A9	C198FFAC	C1951773	C191ACAE	C18EEEF3	C19790D2	C19C326D	C19BEF22
(140)		C19C2060		C1A133DE	C195ACDE	C19D4A13	C1988519	C199E160	C18E9A1B	C19C326D	C19BEF22
(144)		C19A62F4		C19A54D3	C19A2EDE	C19E1716	C19E066E	C1983A39	C197FE48	C196997E	C1934685
(148)		411E243A		4123E2A6	4123AFE1	4126564E	41285546	412F312F	41254F5C	4123134E	412216C8
(152)		4126D683		412A9F57	4129336E	412B93F2	412D5051	412EF6EE	412663C8	412C479E	41292E01
(156)		41AFB71E		41B03379	41E64F53	41D55401	41D1CE8F	41A2A658	41259B1D	40B59674	4082E31E
(160)		40C8B87D		4193398D	41967C25	41E6E81B	41D1CE8F	41A2A658	4151E2C9	41A0FF0E	408B370C
(164)		40655274		40710C53	407E8884	40933CAD	40859639	41A2A658	417A16CA	41A6B4A1E	40E27A11
(168)		C21AC24D		C21AC24D	C19C2E71	01902138	029344F8	012CE7B6	C8C977FA	E2D44040	C1933CE6
(172)		412E174E		41AE4A6C	C1966331	C1954858	C19A5F51	C198C13C	C1A05E88	C19D1035	C19CCCEA
(176)		C1981942		C19C03D7	C19FFC0A	C1A72523	C1A8F775	C1A2A658	C19B504C	C19B8F59	C1999E16
(180)		C19538C2		C198BCFB	C19D6C56	C1988F1F	C19965C7	C1972080	C193EE88	C18F58D7	C1900353
(184)		C18BA556		C1818F6D	C1953383	C176986E	4126C641	4121366E	41245DAD	41271FA6	41269378
(188)		4125LFFC		412759F	41262181	411F57AB	4122A29E	411466D7	41223269	4126376C	41277E45
(192)		41297394		4125028F	4122867D	41235193	4129D12	41233F47	4129715M	41288BFF	4123D8D2
(196)		419AAB65		41A85664	4128A622	4131DF66	412312A8	41325049	4083EC04	41E89F7A	40AB396E
(200)		41AEC2F4		4194454D	41A45185	41B03379	41B03379	41E5231E	41104D2E	40927847	40E6CABC
(204)		41800D35		407C1350	4074DE94	404044DF	405C45FF	41322200	4115587B	40927847	40E6CABC
(208)		C12CED71		01800100	01821138	029349FB	029349FB	41322200	40C0818E	404C17B0	4213DC83
(212)		C19851AF		C17E47BE	C194358F	C19C977FA	C19C977FA	E2D44040	C196E714	412731E4	40A1210F
(216)		C199C7F8		C196E447	C1984788	C196F37A	C197C2AE	C1992C82	C19F250C	C194E6D	C1940D6E
(220)		C19ED218		C19E32D8	C1985F9F	C1998C87	C1975E4C	C195F2E0	C194C864	C1966D64	C195338D

DS1794
 file 11
 3/27/73
 END TIME

FILE	11	RECORD	2156	LENGTH	17652	BYTES	DAY
(	4)	4510000	4518000	00560056	00560056	00560056	00560056
(	4)	00560056	00560056	00560056	00560056	00560056	00560056
(	8)	00560056	00560056	00560056	00560056	00560056	00560056
(	12)	00560056	00560056	00560056	00560056	00560056	00560056
(	16)	0095278A	00953367	00953665	00953884	00954062	00954250
(	20)	0095895A	00959396	00959695	00959993	00960292	00960591
(	24)	0095884A	00959297	00959596	00959895	00960194	00960493
(	28)	00958D3A	00959797	00960096	00960395	00960694	00960993
(	32)	0095EF2A	0095F927	0095FE26	00960324	00960623	00960922

00560056
 00560056
 00560056
 00560056
 00954F5D
 0095814C
 0095E33D
 0095E62E
 0096171E

00560056
 00560056
 00560056
 0095186F
 00954A5F
 00957C4E
 0095A33F
 0095E02F
 00961220

00560056
 00560056
 00560056
 00950E72
 00954062
 00957252
 0095A442
 0095D632
 00960823

00560056
 00560056
 00560056
 00560056
 00953884
 00956D53
 0095EF43
 0095D134
 00960324

00560056
 00560056
 00560056
 00560056
 00953665
 00956895
 00959A45
 00960095
 0095FE26

00560056
 00560056
 00560056
 00560056
 00954F5D
 0095814C
 0095E33D
 0095E62E
 0096171E

DUMP OF TAPE D51795

D51795

Begin time
10/26/72

INPUT TAPE D51795 ON HT-1
DATA INPUT P5 NF=13 FL=13=1=1

FILE	RECORD	1	LENGTH	176928 BYTES	10/26
(4)	4518000	4518000	912C012C	912C012C	912C012C
(4)	912C012C	912C012C	912C012C	912C012C	912C012C
(8)	912C012C	912C012C	912C012C	912C012C	912C012C
(12)	912C012C	912C012C	912C012C	912C012C	912C012C
(16)	929CA44	929CA44	929CAE40	929C8840	929C8840
(20)	929D563	929D563	929D5630	929D5630	929D5630
(24)	929D583	929D583	929D5830	929D5830	929D5830
(28)	929D5F10	929D5F10	929D5F10	929D5F10	929D5F10
(32)	929D6C0	929D6C0	929D6C00	929D6C00	929D6C00
(36)	929D6E1	929D6E1	929D6E10	929D6E10	929D6E10
(40)	929D6E9	929D6E9	929D6E90	929D6E90	929D6E90
(44)	929D6F0	929D6F0	929D6F00	929D6F00	929D6F00
(48)	929D6F1	929D6F1	929D6F10	929D6F10	929D6F10
(52)	929D6F2	929D6F2	929D6F20	929D6F20	929D6F20
(56)	929D6F3	929D6F3	929D6F30	929D6F30	929D6F30
(60)	929D6F4	929D6F4	929D6F40	929D6F40	929D6F40
(64)	929D6F5	929D6F5	929D6F50	929D6F50	929D6F50
(68)	929D6F6	929D6F6	929D6F60	929D6F60	929D6F60
(72)	929D6F7	929D6F7	929D6F70	929D6F70	929D6F70
(76)	929D6F8	929D6F8	929D6F80	929D6F80	929D6F80
(80)	929D6F9	929D6F9	929D6F90	929D6F90	929D6F90
(84)	929D6FA	929D6FA	929D6FA0	929D6FA0	929D6FA0
(88)	929D6FB	929D6FB	929D6FB0	929D6FB0	929D6FB0
(92)	929D6FC	929D6FC	929D6FC0	929D6FC0	929D6FC0
(96)	929D6FD	929D6FD	929D6FD0	929D6FD0	929D6FD0
(100)	929D6FE	929D6FE	929D6FE0	929D6FE0	929D6FE0
(104)	929D6FF	929D6FF	929D6FF0	929D6FF0	929D6FF0
(108)	929D6FF1	929D6FF1	929D6FF10	929D6FF10	929D6FF10
(112)	929D6FF2	929D6FF2	929D6FF20	929D6FF20	929D6FF20
(116)	929D6FF3	929D6FF3	929D6FF30	929D6FF30	929D6FF30
(120)	929D6FF4	929D6FF4	929D6FF40	929D6FF40	929D6FF40
(124)	929D6FF5	929D6FF5	929D6FF50	929D6FF50	929D6FF50
(128)	929D6FF6	929D6FF6	929D6FF60	929D6FF60	929D6FF60
(132)	929D6FF7	929D6FF7	929D6FF70	929D6FF70	929D6FF70
(136)	929D6FF8	929D6FF8	929D6FF80	929D6FF80	929D6FF80
(140)	929D6FF9	929D6FF9	929D6FF90	929D6FF90	929D6FF90
(144)	929D6FFA	929D6FFA	929D6FFA0	929D6FFA0	929D6FFA0
(148)	929D6FFB	929D6FFB	929D6FFB0	929D6FFB0	929D6FFB0
(152)	929D6FFC	929D6FFC	929D6FFC0	929D6FFC0	929D6FFC0
(156)	929D6FFD	929D6FFD	929D6FFD0	929D6FFD0	929D6FFD0
(160)	929D6FFE	929D6FFE	929D6FFE0	929D6FFE0	929D6FFE0
(164)	929D6FF1	929D6FF1	929D6FF10	929D6FF10	929D6FF10
(168)	929D6FF2	929D6FF2	929D6FF20	929D6FF20	929D6FF20
(172)	929D6FF3	929D6FF3	929D6FF30	929D6FF30	929D6FF30
(176)	929D6FF4	929D6FF4	929D6FF40	929D6FF40	929D6FF40
(180)	929D6FF5	929D6FF5	929D6FF50	929D6FF50	929D6FF50
(184)	929D6FF6	929D6FF6	929D6FF60	929D6FF60	929D6FF60
(188)	929D6FF7	929D6FF7	929D6FF70	929D6FF70	929D6FF70
(192)	929D6FF8	929D6FF8	929D6FF80	929D6FF80	929D6FF80
(196)	929D6FF9	929D6FF9	929D6FF90	929D6FF90	929D6FF90
(200)	929D6FFA	929D6FFA	929D6FFA0	929D6FFA0	929D6FFA0
(204)	929D6FFB	929D6FFB	929D6FFB0	929D6FFB0	929D6FFB0
(208)	929D6FFC	929D6FFC	929D6FFC0	929D6FFC0	929D6FFC0
(212)	929D6FFD	929D6FFD	929D6FFD0	929D6FFD0	929D6FFD0
(216)	929D6FFE	929D6FFE	929D6FFE0	929D6FFE0	929D6FFE0
(220)	929D6FF1	929D6FF1	929D6FF10	929D6FF10	929D6FF10
(224)	929D6FF2	929D6FF2	929D6FF20	929D6FF20	929D6FF20
(228)	929D6FF3	929D6FF3	929D6FF30	929D6FF30	929D6FF30

DS1797
File 1
BEGIN time

DUMP OF TAPE DS1797

INPUT TAPE DS1797 ON HTQ
DATA INPUT F9 NF=8 FL=9=1=1

FILE	RECORD	LENGTH	17692 BYTES	103
(4)	45180130	00000002	01300130	01300130
(8)	01300130	01300130	01300130	01300130
(12)	01300130	01300130	01300130	01300130
(16)	03985370	03985370	03985370	03985370
(20)	03988550	03988550	03988550	03988550
(24)	03988C14	03988C14	03988C14	03988C14
(28)	0398E44	0398E44	0398E44	0398E44
(32)	03992520	03992520	03992520	03992520
(36)	03996610	03996610	03996610	03996610
(40)	00000000	00000000	00000000	00000000
(44)	00000000	00000000	00000000	00000000
(48)	00000000	00000000	00000000	00000000
(52)	00000000	00000000	00000000	00000000
(56)	00000000	00000000	00000000	00000000
(60)	00010001	00010001	00010001	00010001
(64)	00010001	00010001	00010001	00010001
(68)	00240C14	00240C14	00240C14	00240C14
(72)	00240C1E	00240C1E	00240C1E	00240C1E
(76)	00240C1A	00240C1A	00240C1A	00240C1A
(80)	00240C24	00240C24	00240C24	00240C24
(84)	00240C2E	00240C2E	00240C2E	00240C2E
(88)	00000000	00000000	00000000	00000000
(92)	00000000	00000000	00000000	00000000
(96)	00000000	00000000	00000000	00000000
(100)	00000000	00000000	00000000	00000000
(104)	00000000	00000000	00000000	00000000
(108)	00000000	00000000	00000000	00000000
(112)	00000000	00000000	00000000	00000000
(116)	414A521F	414A521F	414A521F	414A521F
(120)	415E40DF	415E40DF	415E40DF	415E40DF
(124)	415C0703	415C0703	415C0703	415C0703
(128)	415E2531	415E2531	415E2531	415E2531
(132)	4159E5AA	4159E5AA	4159E5AA	4159E5AA
(136)	4159C7EF	4159C7EF	4159C7EF	4159C7EF
(140)	4159EAD1	4159EAD1	4159EAD1	4159EAD1
(144)	415A6067	415A6067	415A6067	415A6067
(148)	41589CE0	41589CE0	41589CE0	41589CE0
(152)	41580114	41580114	41580114	41580114
(156)	4159F8D0	4159F8D0	4159F8D0	4159F8D0
(160)	4159C702	4159C702	4159C702	4159C702
(164)	41589CE0	41589CE0	41589CE0	41589CE0
(168)	41580114	41580114	41580114	41580114
(172)	4159F8D0	4159F8D0	4159F8D0	4159F8D0
(176)	4159C702	4159C702	4159C702	4159C702
(180)	41589CE0	41589CE0	41589CE0	41589CE0
(184)	41580114	41580114	41580114	41580114
(188)	4159F8D0	4159F8D0	4159F8D0	4159F8D0
(192)	4159C702	4159C702	4159C702	4159C702
(196)	41589CE0	41589CE0	41589CE0	41589CE0
(200)	41580114	41580114	41580114	41580114
(204)	4159F8D0	4159F8D0	4159F8D0	4159F8D0
(208)	4159C702	4159C702	4159C702	4159C702
(212)	41589CE0	41589CE0	41589CE0	41589CE0
(216)	41580114	41580114	41580114	41580114
(220)	4159F8D0	4159F8D0	4159F8D0	4159F8D0
(224)	4159C702	4159C702	4159C702	4159C702
(228)	41589CE0	41589CE0	41589CE0	41589CE0

DS 1797
file 8
END TIME

FILE	INPUT RECS	DATA RECORDS	MAX SIZE	READ ERROR	SUMMARY	UNDEF	RECS	TOTAL
(216)	C1E3255	4183604	231	011AF628	C8C977F4	E2C54740	C1C9B535	42180719
(223)	C1E0358	C1D066A7	C1C01A19	C1D9CA6A	C1D9326B	C1D0A01C	C1DFA3E6	C171A670
(224)	C1E221A	C1D623CD	C1C6307F	C18A08E8	C1E5F9E2	C1B00F77	C1FA628C	C1E8A7DC
(228)	C1D581B	C1CDDCC4	C1C03731	C1C78647	C1D2D1E4	C1CE75E4	C1FA628C	C1D80536
(232)	C1D859F3	C1DE615A	C218ECC4	C219231F	C219A954	C219B188	C1CE75E4	C1DF2AE9
(236)	C219FAE3	C2181B47	C21CB98D	C21DFC9A	C21E731E	C219E7C9	C2193C47	C21974E8
(244)	C21AE85E	C21CBE2F	C218952E	C2189A48	C21986E9	C21A20CF	C219FA92	C21F1F83
(248)	C21A4C14	C21A2598	C21AE5A9	C21A65A9	41819679	C21A20CF	C21A349B	C21A68E3
(252)	417135E8	4178438	417A98F2	4178438	41717FC9	4178E2DC	417A022D	41717F26
(264)	417894AD	417C3C28	417A98F2	4178438	41717FC9	4178E2DC	417A022D	417C6223
(268)	417AF928	41826461	C8C977F4	E2C54740	C1DDE345	4219F3DA	C1E8AF51	C1C13DF7
(272)	C1E1D38A	C1DDE825	C1E165A2	C1DEFC18	C1E01FC9	C1E3EDF4	C1E8AF51	C1C13DF7
(276)	C1D12FBA	C1D8D758	C1D45E7F	C1DECCC9	C1C05662	C1C7E3C3	C18FA6F5	C18C3D5F
(284)	C2195238	C21E0D67	C2191F7E	C21AE5DA	C21A8522	C1E611CC	C1E932E6	C1E98099
(288)	C2195CDB	C2191244	C219CF71	C21937A0	C219D027	C21A1C62	C219AD5D	C21A98C9
(292)	C219B78A	C217265E7	417FAEAF	4172A658	4172A658	C219C17E	C21A3855	C219FD1B
(296)	417908A2	41797C3B	4170A397	416FA49C	41655F37	4172A77F	41727AFA	417279A0
(300)	41753F76	4176D26C	4176D26C	41785005	41785005	417ED379	417A3892	417A6093
(304)	41256462	C8C977F4	E2C54740	C1D0458A	C1D9A99C	C1E212F8	00020131	01180028
(308)	C1E71C92	C1E9A329	C1F52DA	C1E29EAD	C1C93CF3	C1E445F1	C1E769E4	C1E945B9
(312)	C1F52382	C1F52DA	C1F52DA	C1E29EAD	C1C93CF3	C1E445F1	C1E769E4	C1E945B9
(316)	C1D33C69	C1CAFAS7	C1C93CF3	C1C93CF3	C1C93CF3	C1E445F1	C1E769E4	C1E945B9
(320)	C21927FA	C2196179	C2195C74	C2195C74	C2195C74	C2195C74	C2195C74	C2195C74
(324)	C2197024	C2191072	C218F7A4	C219653E	C21A1C78	C21988B6	C21958A2	C218E2A9
(328)	C219841C	C219AFBD	C21A288B	C219653E	C219C841	C21A4634	C219C8DD	C2198509
(332)	417E05AA	416CD32F	417C4A7	417165E5	417165E5	C2192F43	C21924D0	C2196061
(336)	41552208	416A839C	4167A5FE	41647470	41619375	4173C082	41736F0C	41705CEF
(340)	417094D	417168CE	417311AF	4174F14A	4176C302	416D7BCE	416D7238	416EBB35
(344)	41736E17	417C6A17	4214C442	C215A4FE	C1E833E6	41783354	4179787C	417A7774

FILE	INPUT RECS	DATA RECORDS	MAX SIZE	READ ERROR	SUMMARY	UNDEF	RECS	TOTAL
(4)	C144233	C1458A79	C14840C	C13284F0	C138242E	C13D0587	C13AD2F5	42139CDC
(8)	C13C3493	C1373FB	C12DDF34	C12C5A1A	C12E44E6	C14J8E65	C14294AD	C14472B1
(12)	C14AC355	C147D08A	C147D08A	C1468354	435E7000	C139EEB9	C14AD317	C156C8A7
(16)	C1D2728	C12C7163	C21338AD	C213A34A	C234FAA9	C21520FC	C1311EAB	C12AF91A
(20)	C212D5F9	C213A60F	C2134144	C2130DD	C212B7D7	C2126E55	C214735D	C121C7A9
(24)	C2145575	C2145274	C214A97	C2145274	C213EA32	435E7000	C212F6F8	C2136729
(28)	C21431D6	C21356F3	C2135297	C2120257	C1413D80	C13E4C99	C2138F1C	C2136669
(32)	C135A8B9	C134A045	C132EE89	C13264A8	C132E757	C13342EC	C13A3465	C13875C4
(36)	C133D112	C1431D15	C13D119F	C13AB0D1	C1355453	C137B2F6	C133DF03	C133A6CF
(40)	C13AB513	C13EC369	C1425513	C146CE53	C14AC684	C14F1C03	433E7000	C136C47B
(44)	424E7918	424E7918	424E7918	C8C977F4	E2C54740	4168F173	C1C730E5	01800000
(48)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(52)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(56)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(60)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(64)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(68)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(72)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(76)	C13+0E85	433E7100	433E7100	433E7000	433E7000	433E7000	433E7000	433E7000
(80)	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000	433E7000
(84)	433E7000	433E7000	433E7000	4217F61D	C217C4E6	C1C730E5	433E7000	433E7000